

Gilia heterostyla S. Cochrane & Day (1994)**COCHRANE GILIA****FAMILY:** *Polemoniaceae*, the phlox family.**SYNONYMS:** *Gilia nyensis* (misapplied)**STATUS:****Heritage Program WATCH LIST, ranks: G3G4 S3S4****USFWS/ESA:** none. **STATE OF NEVADA:** none. **BLM:** none. **USFS:** none. **NNNPS:** none.**POPULATION CENSUS:** 4 occurrences mapped; total estimated individuals unknown, total estimated area unknown.**TREND:** unknown.**IMPACTS AND MAJOR THREATS:** No summary available (see references).**INVENTORY EFFORT:** Systematic surveys have not been conducted, and much specimen data remain unprocessed. Most recent entered survey 1981, average year of last survey 1976. **Years since last entered survey** (percent of mapped records at various survey ages): **11-20 yrs:** 25%; **21-30 yrs:** 50%; **31-50 yrs:** 25%.**LAND MANAGEMENT** in decreasing predominance: U. S. Department of Defense, U. S. Bureau of Land Management, Humboldt-Toiyabe National Forest, Nevada state lands (?).**RANGE:** Nye County, Nevada. **Nevada endemic.** Maximum **range dimension 128.4 km (79.8 mi)** excluding most disjunct record. **Type specimen** collected in Nye County.**ELEVATIONS RECORDED:** 4980-5850 feet (1518-1783 meters).**HABITAT:** Deep loose sandy soil of alluvial fans, stabilized dunes, dune skirts, and aeolian deposits, sometimes in pockets on rocky slopes, sometimes on road cuts or other disturbances crossing such habitats, in the shadscale and mixed shrub zones with *Atriplex canescens*, *Achnatherum hymenoides*, *Psoralea polydenia*, *Tetradymia glabrata*, *Ericameria greenei*, *Eriogonum nummularia*, *Sarcobatus*, etc. Possibly dependent on sand dunes or deep sand.**PHENOLOGY:** flowering late-spring. Range of most frequent **survey months:** May-June.**LIFE-FORM AND HABIT:** small annual.**DESCRIPTION:** Erect annual herb with pink-violet or white with pink-violet streaked flowers and linear-oblong leaves (Cochrane and Day 1994). **Distinguishing features:** Similar to *Gilia nyensis* except for the heterostylous flowers.**PHOTOGRAPHS:** none known.**ILLUSTRATIONS:** Cochrane and Day (1994).**SPECIFIC REFERENCES:**Cochrane, S. A. and A. G. Day. 1994. A heterostylous *Gilia* (Polemoniaceae) from central Nevada. *Madroño* 41: 120-127.